

ABSTRACT OF THE DISCLOSURE

METHOD, APPARATUS, AND PROGRAM FOR ADAPTIVE CONTROL OF APPLICATION POWER CONSUMPTION IN A MOBILE COMPUTER

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A power-aware monitor is provided for controlling the execution of state-unaware applications and optimizing their execution in light of power consumption issues. The power-aware monitor examines application usage to build profiles of resource consumption. When an application starts execution, the monitor determines the state of the battery to influence policy decisions. The monitor maintains a list of rules, which it uses in deciding policy. The user may modify these rules to override default behavior. The rules dictate whether an application executes unfettered, has its I/O, computation, or other activity restricted or delayed, or is completely aborted. When in doubt, the monitor may prompt the user for a decision.

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